

EXPLORING THE CULTURAL AND HISTORICAL FACTORS THAT INFLUENCE OER ADOPTION AND USE IN MONGOLIA'S HIGHER EDUCATION SECTOR

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IDRC Grant/ Subvention du CRDI: 107311-001-Research into Open Educational Resources for Development

Open Education Global Conference, April
2015, Banff, Canada

* Exploring the cultural
historical factors that
influence OER adoption and
use in Mongolia's higher
education sector

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I. OER environment in Mongolia

II. Research project

I. OER environment in Mongolia

- * Mongolia is a rapidly developing economy
- * With a small population (3 M) divided almost equally between the Ulaanbaatar-capital city and rural centres across the vast countryside. One of the least densely populated countries in the world.
- * Official language - Mongolian



* Context

- * Since 1990s, rationalization and decentralization of education system
- * Relaxation of state control over curriculum with efforts at diversification based on local community needs
- * Shift from a teacher-centered curriculum to a more student-centered curriculum

* Changes in the Mongolian education system

- * OER awareness raising and building infrastructure
- IDRC.ca support since 2010
- * CC Mongolia established in 2013
<http://www.creativecommons.mn/>
- * OER pilot projects 2011-2013
<http://www.davalgaa.mn/>
- * OER policy - National OER program for 2014-2024
approved by the Parliament. Funds provided from
the State budget: <https://mn.khanacademy.org/>
- * Open Education and Knowledge Foundation
established in 2014 <http://www.one.mn/>

*** Achievements in 2010-2015**

Exploring the cultural historical factors
that influence OER adoption and use in
Mongolia's higher education sector

[http://roer4d.org/sp-8-oer-adoption-
and-use-in-mongolia](http://roer4d.org/sp-8-oer-adoption-and-use-in-mongolia)

* II. **Research project**

- * What key factors, conditions and models of practice that would be considered as an acceptable path forward for OER adoption, adaptation, development and distribution in Mongolian higher education?
- * At the macro level what are the cultural-historical influences in Mongolia that might enable or pose barriers to higher education institutions that seek to collaborate, use, reuse or redistribute OER?
- * At the practice level, what cultural-historical factors exist to empower or impede teachers and learners to contribute to and benefit from a pool of OER developed or localized for Mongolia?

*** Research problem**

- * Surveys, interviews and artifact analysis with key stakeholders, including education department staff, educational administrators and teachers

Ministry of Education and Science of Mongolia

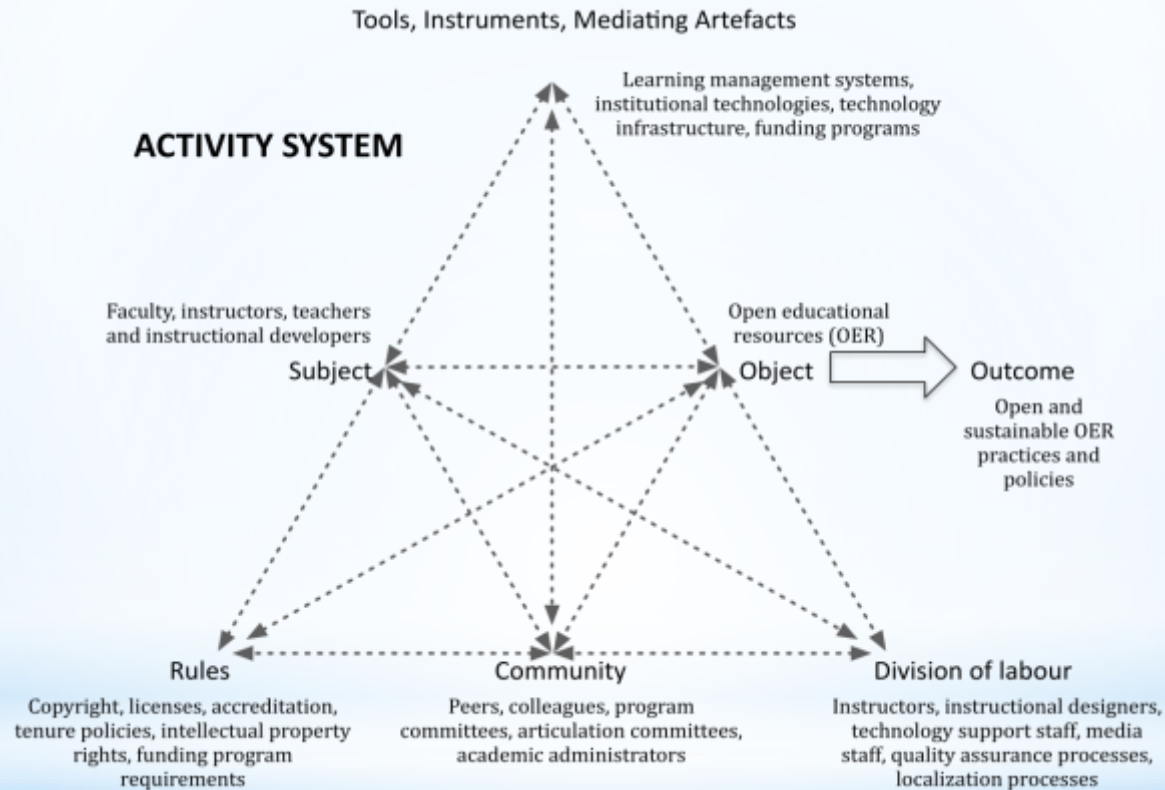
National University of Mongolia

Mongolian University of Science and Technology

Mongolian State University of Education

* **Methodology**

- * Activity-theory (AT) framework for the analysis of human interactions with technologies, systems, rules and practices.



* **Methodology**

Research Questions	Associated Activity Theory Constructs
What understandings of “open” practices and open educational resources (OER) do you currently hold? Where were you first introduced to OER? Workshops, presentations, colleagues?	SUBJECT Open concepts and practices OBJECT Open educational resources
How do you see OER benefitting the Mongolian educational system, your institution or students? What issues of organizational culture are associated with collaboration and sharing of OER among educators?	OUTCOME Open and sustainable OER practices and/or policies COMMUNITY Academic culture
What quality assurance processes and issues affect the adoption and use of open resources?	RULES AND COMMUNITY Quality assurance
What important practices and issues are entailed in the adaptation of open curriculum materials (OER) or use in specific localized contexts in post secondary institutional settings and programs?	RULES Institutional contexts Copyright policies
What key instructional design and development practices and issues are associated with OER development and implementation?	DIVISION OF LABOUR Instructional design Training and support for faculty and instructors
To what degree does established technical infrastructure and related practices affect the potential for OER reuse in institutional settings?	TOOLS, INSTRUMENTS, MEDIATING ARTEFACTS Technology factors Network infrastructure
What business rules and organizational policies have been shown to directly affect OER opportunities?	RULES Institutional policies Funding support

* Interview Questions Matrix and Associated Activity Theory Constructs

- *Sample size - response rate
- *Online based or/and paper based
- *Question harmonization process
- *Timing

***Survey questionnaire**

- * Incentives for creating, adapting and using OER for educators and students
- * Open textbooks
- * Language divide: Translate or learn English
- * Institution-level OER policy
- * Needs for awareness-raising and capacity-building

* Findings and issues



*Thank you